



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90th Street
Miami, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "SGD-9200" Aluminum Sliding Glass Door LMI

APPROVAL DOCUMENT: Drawing No. W02-23, titled "SGD-9200 Alum. Sliding Glass Door (Impact)", sheets 1 through 4, prepared, signed and sealed by Humayoun Farooq, P.E., dated 3/18/02, with revision "A" dated 09/19/02, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA #02-0322.07 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**



NOA No 02-1016.10
Expiration Date: June 13, 2007
Approval Date: December 26, 2002
Page 1

Lawson Industries, Inc.

5. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding
glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report
No. FTL-3426, dated 04/26/02, signed and sealed by James G. Worth, P.E
6. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding
glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report
No. FTL-3425, dated 04/29/02, signed and sealed by James G. Worth, P.E
7. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding
glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report
No. FTL-3424, dated 04/18/02, signed and sealed by James G. Worth, P.E

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation,
dated 09/21/02, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

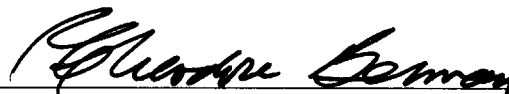
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for
"Sentry Glass Plus" dated 1/17/02, expiring on 1/14/07.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for "Saflex/Keepsafe
Maximum" dated 05/17/01, expiring on 05/21/06.

E. STATEMENTS

1. Statement letter of conformance, dated 09/21/02, signed and sealed by Humayoun
Farooq, P.E.
2. Statement letter of no financial interest, dated 09/21/02, signed and sealed by
Humayoun Farooq, P.E.

F. OTHER

1. Letter from Pistorino & Alam Consulting Engineers, Inc.



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 02-1016.10
Expiration Date: June 13, 2007
Approval Date: December 26, 2002

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W02-23**, titled "SGD-9200 Alum. Sliding Glass Door (Impact)", sheets 1 through 4, prepared, signed and sealed by Humayoun Farooq, P.E., dated 3/18/02.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS- 202-94
2) Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94
3) Water Resistance Test, per FBC,TAS- 202-94
4) Large Missile Impact Test per FBC,TAS 201-94
5) Cyclic Wind Pressure Loading per FBC,TAS-203-94
6) Forced Entry Test, per FBC 3603.2 (b) and TAS- 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-00156, dated 1/10/02, signed and sealed by Luis Figueredo, P.E
2. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3493, dated 06/24/02, signed and sealed by James G. Worth, P.E
3. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3492, dated 06/20/02, signed and sealed by James G. Worth, P.E
4. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC,TAS 201-94
3) Cyclic Wind Pressure Loading per FBC,TAS-203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3516, dated 07/12/02, signed and sealed by James G. Worth, P.E



Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 02-1016.10

Expiration Date: June 13, 2007

Approval Date: December 26, 2002

SGD-9200 ALUMINUM SLIDING GLASS DOOR

| DESIGN LOAD CAPACITY - PSF (STD. SILL) | | | | | | | | | |
|--|-----|----------------|----------|----------------|----------|----------------|----------|----------------|----------|
| NOMINAL DOOR SIZES WIDTH FT./IN. | | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPE 'C' | | GLASS TYPE 'D' | |
| | | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) |
| 6/0 (NO STEEL) | 6/8 | 56.7 | 95.0 | 56.7 | 70.0 | 56.7 | 85.0 | 56.7 | 75.0 |
| 8/0 (WITH STEEL) | 6/8 | 56.7 | 85.0 | 56.7 | 70.0 | 56.7 | 78.8 | 56.7 | 68.8 |
| 8/0 (WITH STEEL) | 8/0 | 56.7 | 65.0 | 56.7 | 65.0 | X | X | X | X |

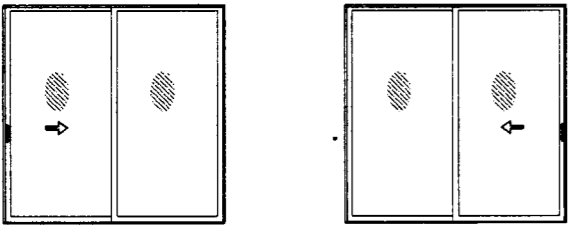
| DESIGN LOAD CAPACITY - PSF (WITH SILL RISER) | | | | | | | | | |
|--|-----|----------------|----------|----------------|----------|----------------|----------|----------------|----------|
| NOMINAL DOOR SIZES WIDTH FT./IN. | | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPE 'C' | | GLASS TYPE 'D' | |
| | | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) |
| 6/0 (NO STEEL) | 6/8 | 76.7 | 95.0 | 70.0 | 70.0 | 76.7 | 85.0 | 75.0 | 75.0 |
| 8/0 (WITH STEEL) | 6/8 | 76.7 | 85.0 | 70.0 | 70.0 | 76.7 | 78.8 | 68.8 | 68.8 |
| 8/0 (WITH STEEL) | 8/0 | 65.0 | 65.0 | 65.0 | 65.0 | X | X | X | X |

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.
ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

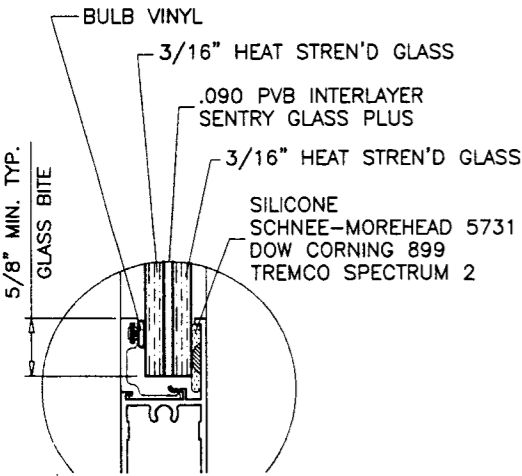
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

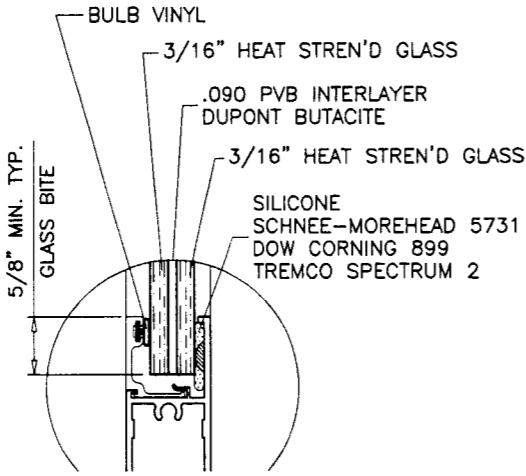


APPROVED CONFIGURATIONS



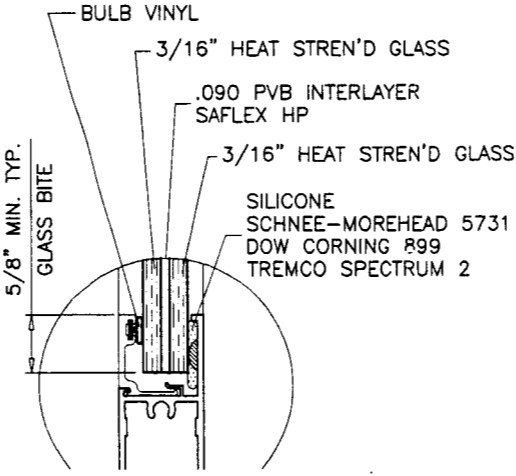
GLASS TYPE 'A'

7/16" OVERALL LAM. GLASS



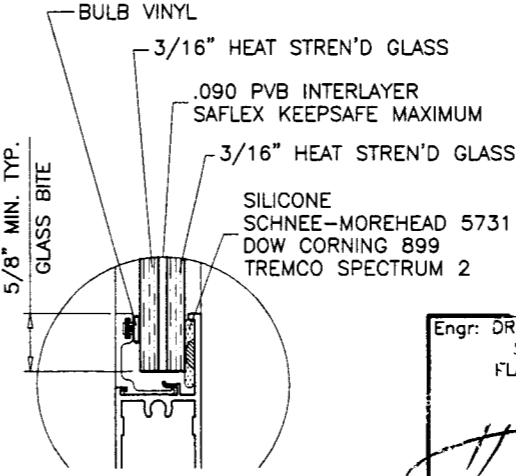
GLASS TYPE 'B'

7/16" OVERALL LAM. GLASS



GLASS TYPE 'C'

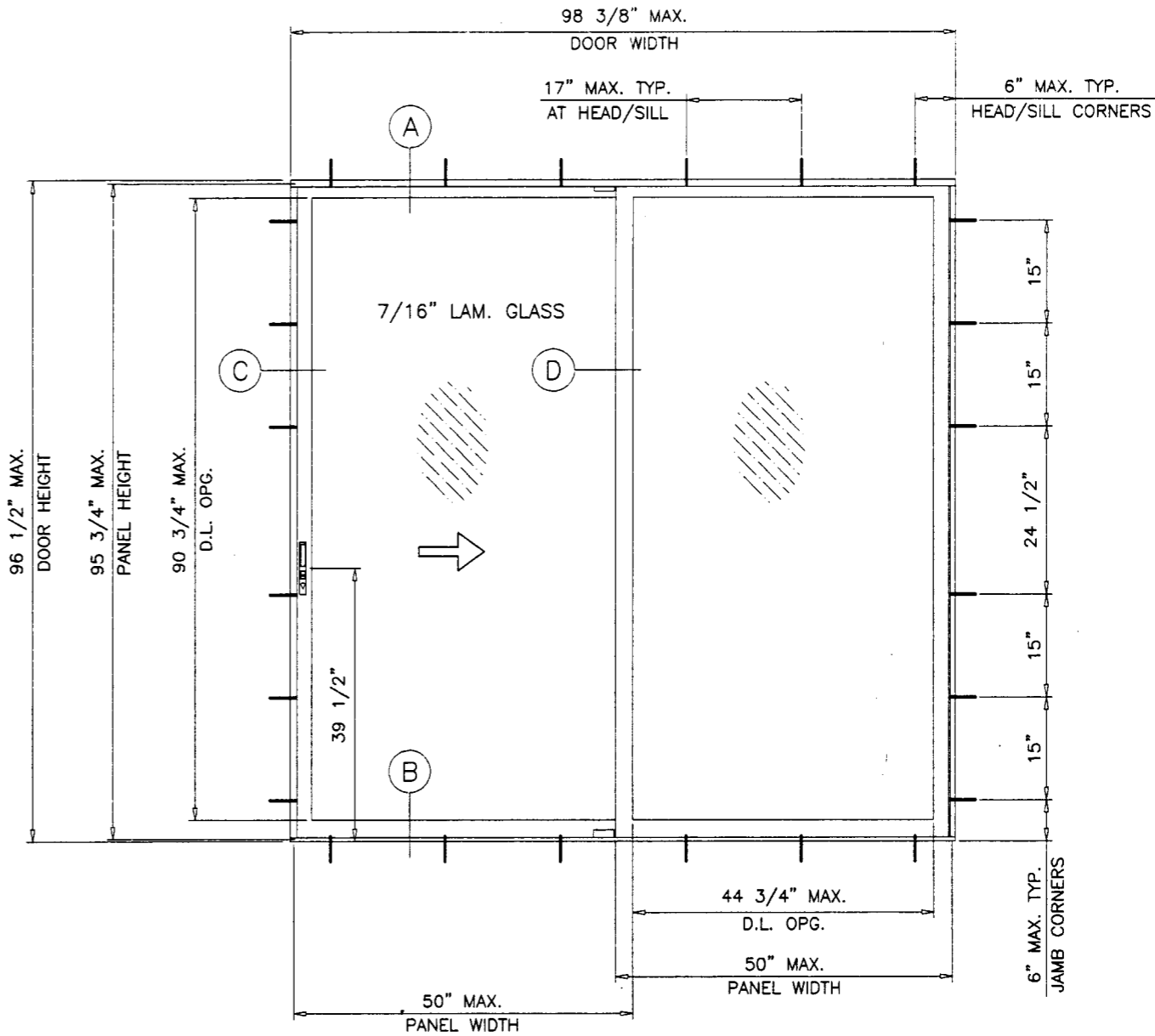
7/16" OVERALL LAM. GLASS



GLASS TYPE 'D'

7/16" OVERALL LAM. GLASS

LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQD.



TYPICAL ELEVATION
TESTED UNIT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 02-1016-10
Expiration Date 06/13/10
By *Charles Korman*
Miami Dade Product Control
Division

Engr: DR. HUMAYUN FAROOQ
STRUCTURES
FLA. PF # 15557

SEP 21 2002

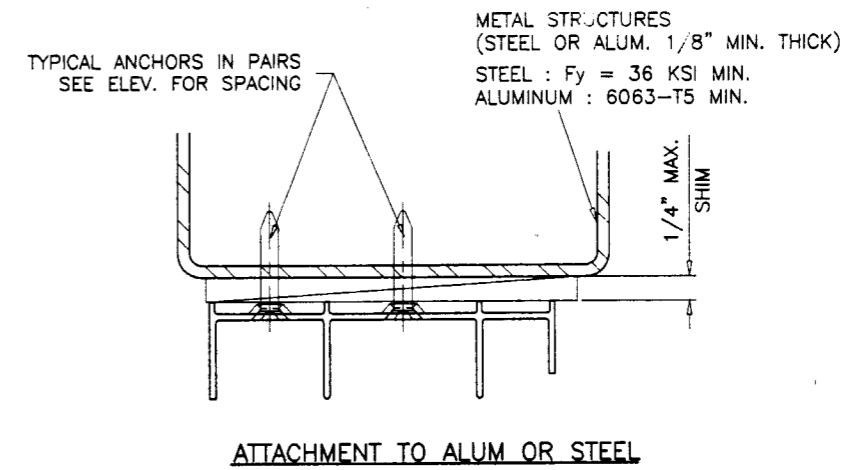
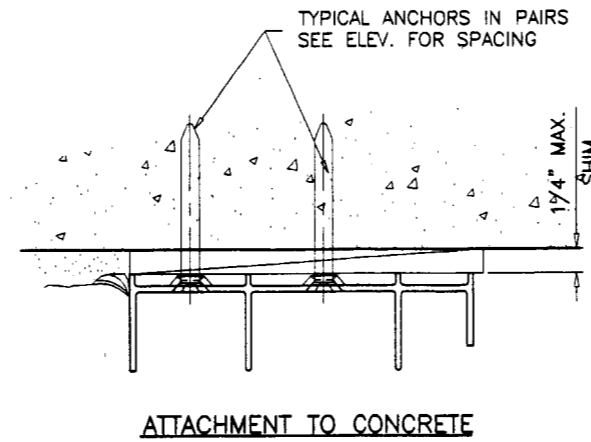
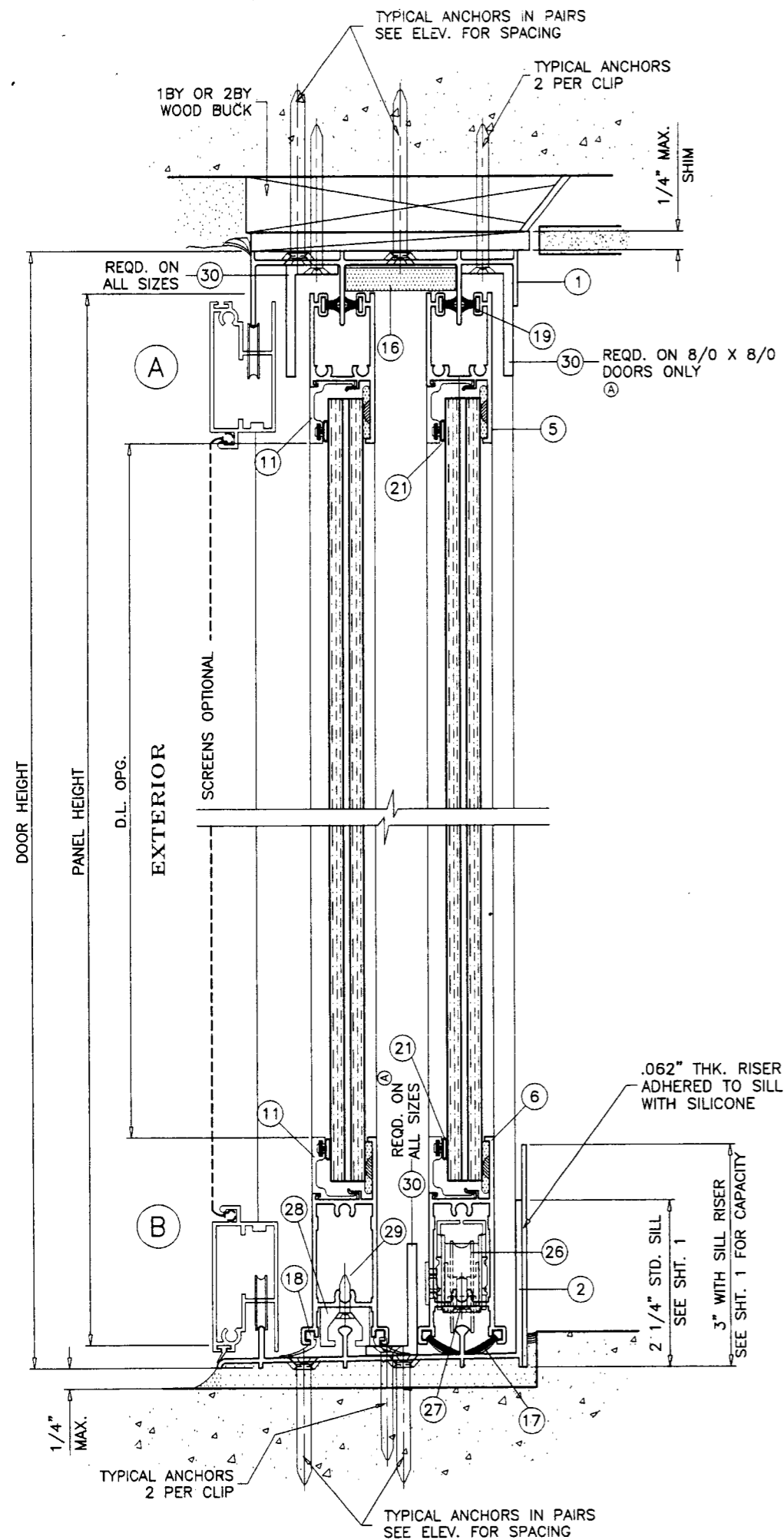
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SGD-9200 ALUM. SLIDING GLASS DOOR (IMPACT)
LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

| revisions: | no | date | by | description |
|------------|----|----------|----|---------------------------|
| | A | 09/19/02 | | GLASS TYPES B, C & D ADD. |

| | |
|----------|------------|
| date: | 03-18-02 |
| scale: | 1/2"=1'-0" |
| dr. by: | HAMID |
| chk. by: | |

drawing no.
W02-23
sheet 1 of 4



WOOD BUCKS NOT BY LAWSON IND., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

3/16" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

3/16" DRILLFLEX SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

#10 SMS

INTO APPROVED MULLIONS (NO SHIM SPACE)

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL
SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-1016.10
Expiration Date 06/13/07

By *Alfredo Berman*
Miami Dade Product Control
Division

Engr: DR. HUMAYUN FAROOQ
STRUCTURES
FLA. PE # 16357

SEP 21 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SGD-9200 ALUM. SLIDING GLASS DOOR (IMPACT)

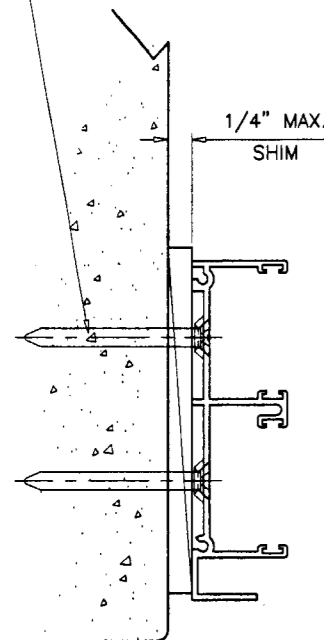
LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

| no | date | by | description |
|----|----------|----|------------------------------|
| A | 09/19/02 | | #30 NOTE ADD. GLASS DTL MOV. |

date: 03-18-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

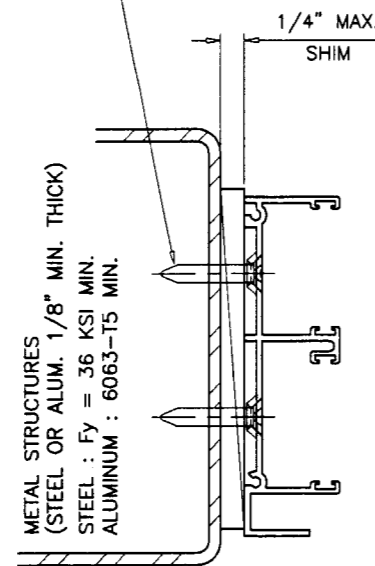
drawing no.
W02-23
sheet 2 of 4

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



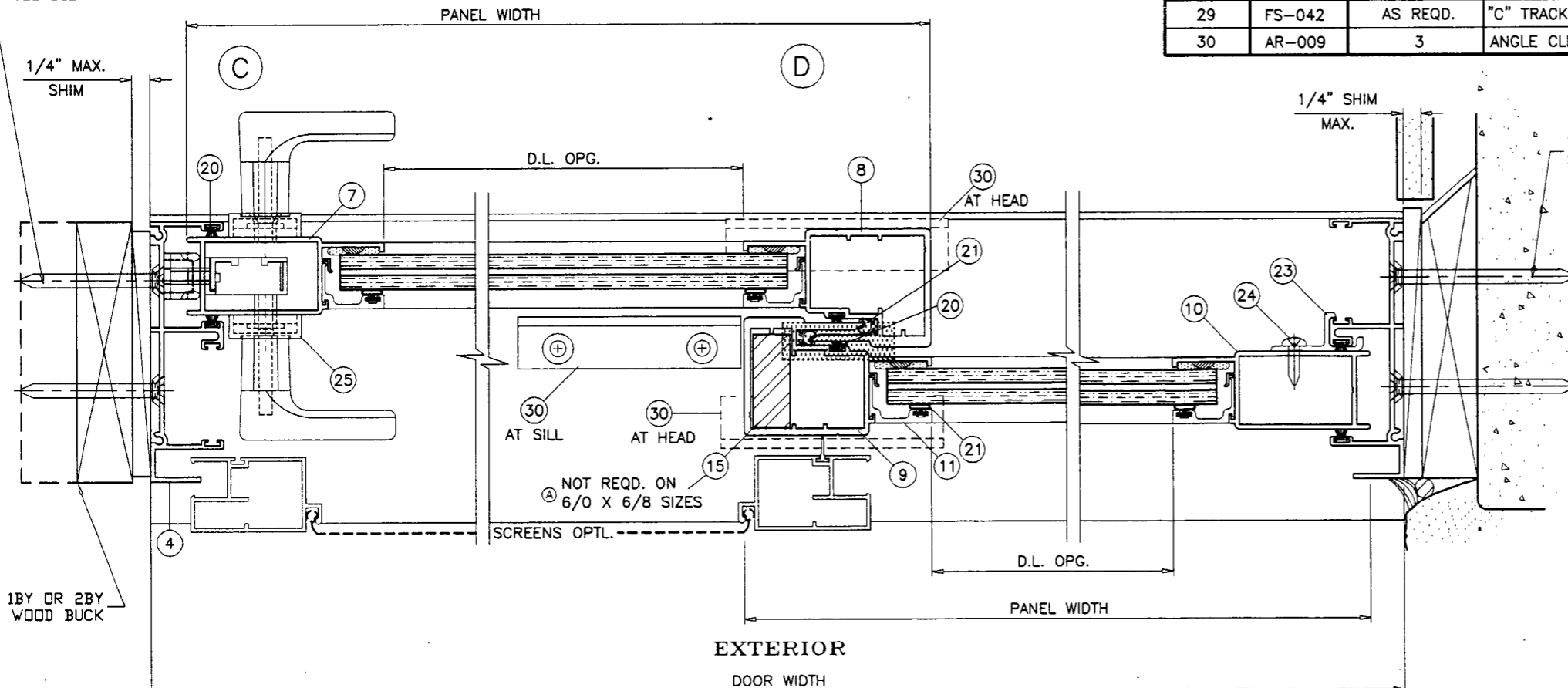
ATTACHMENT TO CONCRETE
OR CONC. BLOCK

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



ATTACHMENT TO METAL STRUCTURES
STEEL OR ALUMINUM

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER, REMARKS |
|--------|---------|---------------|----------------------------|----------|---------------------------|
| 1 | L-9001 | 1 | FRAME HEAD | 6063-T5 | ALUMAX/WELLS |
| 2 | L-9206 | 1 | FRAME SILL - 1 3/4" HI | 6063-T5 | ALUMAX/WELLS |
| 3 | - | - | - | - | - |
| 4 | L-9212 | 2 | FLANGE FRAME JAMB | 6063-T5 | - |
| 5 | L-9204 | 1 | PANEL TOP RAIL | 6063-T5 | - |
| 6 | L-9205 | 1 | PANEL BOTTOM RAIL | 6063-T5 | - |
| 7 | L-9201 | 1 | PANEL LOCK STILE | 6063-T6 | - |
| 8 | L-9202 | 1 | PANEL INTERIOR INTERLOCK | 6063-T6 | - |
| 9 | L-9203 | 1 | PANEL EXTERIOR INTERLOCK | 6063-T6 | - |
| 10 | L-9201 | 1 | PANEL FIXED STILE | 6063-T6 | - |
| 11 | L-9209 | AS REQ'D. | ALUMINUM GLAZING BEAD | 6063-T5 | - |
| 12 | FS-005 | AS REQ'D. | FRAME ASSEMBLY SCREWS | - | #6 X 1/2" P.H. PHILLIPS |
| 13 | FS-013 | AS REQ'D. | PANEL ASSEMBLY SCREWS | - | #10 X 1" P.H. PHILLIPS |
| 14 | - | - | - | - | - |
| 15 | AR-020 | 1 | HOT ROLLED STEEL BAR | - | 1/2" X 1 1/4" |
| 16 | L-9016 | 1 | SELF ADHESIVE PILE PAD | - | 13/16" X 1 1/2" |
| 17 | PWS-016 | AS REQ'D. | MVG. BOTTOM RAIL WTS'P | - | ULTRAFAB #QB6757DK |
| 18 | VWS-016 | AS REQ'D. | FXD. BOTTOM RAIL WTS'P | - | VINYL FLAP #WV-2087 |
| 19 | PWS-009 | AS REQ'D. | PANEL TOP RAIL WTS'P | - | .187"x.310" (7830-6001-1) |
| 20 | PWS-003 | AS REQ'D. | FIN SEAL WEATHERSTRIP | - | .187"x.210" (7820-6001-9) |
| 21 | VWS-004 | AS REQ'D. | BULB WTS'P. | VINYL | 1/4" O.D. |
| 22 | HC-043 | 2X PANEL | PANEL TOP GUIDE | NYLON | - |
| 23 | L-9018 | 4/ FIX. PANEL | FIXED PANEL JAMB CLIP | 6063-T5 | - |
| 24 | FS-011 | 1 X CLIP | FIXED PANEL CLIP SCREW | - | #10 X 5/8" P.H./PHIL. |
| 25 | HC-047 | 1 | MORTISE LOCK HARDWARE | - | W/ HANDLES & KEEPER |
| 26 | HC-046 | 2 | MVG. PANEL TANDEM ROLLER | - | 2 X EA. MVG. BOT. RAIL |
| 27 | FS-003 | 2 | ROLLER ATTACHMENT SCREW | - | #8 X 1/2" F.H./PHIL. |
| 28 | AR-008 | 2 | FXD. PANEL "C" TRACK CLIP | - | 2 X EA. FXD. BOT. RAIL |
| 29 | FS-042 | AS REQD. | "C" TRACK ATTACHMENT SCREW | - | #10 X 1" F.H./PHIL. |
| 30 | AR-009 | 3 | ANGLE CLIP | ALUMINUM | .704" X 1.50" X 125" X 3" |

1/4" SHIM
MAX.

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-1016.10
Expiration Date 06/13/02

By *Glenn Korman*
Miami Dade Product Control
Division

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557

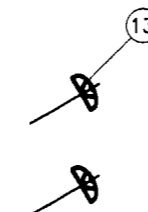
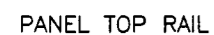
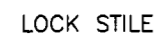
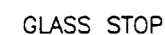
SEP 21 2002

af
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W02-2311

SGD-9200 ALUM. SLIDING GLASS DOOR (IMPACT)
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MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

| revisions: | | no | date | by | description |
|------------|----------|--------|-----------|---------|-----------------|
| | | A | 09/19/02 | | REIN. NOTE ADD. |
| date: | 03-18-02 | scale: | 1/2" = 1" | dr. by: | HAMID |
| chk. by: | | | | | |

drawing no.
W02-23
sheet 3 of 4



SEP 21 2002

drawing no.

W02-23

sheet 4 of 4

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE.
MIAMI, FLORIDA 33174
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LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

[illegible]

date. 03-18-02

scale: $1/2'' = 1'$

dr. by: HAMID

chk. by: